

Corrugated and Solid Fiber Box Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
322211, Corrugated and solid fiber box manufacturing	2002.. 955	1 719	117 079	4 631 854	85 893	180 546	2 770 299	10 957 221	18 505 428	29 514 919	'819 301
	2001.. N	N	131 225	4 913 921	97 198	202 360	2 907 205	11 196 572	20 227 342	31 473 077	899 933
	2000.. N	N	134 341	4 909 083	99 444	207 443	2 944 779	11 566 898	21 566 315	33 053 266	868 656
	1999.. N	N	132 517	4 799 280	97 276	206 589	2 893 637	10 861 383	18 864 009	29 617 530	817 886
	1998.. N	N	129 387	4 475 762	94 936	199 595	2 735 247	10 245 283	18 077 144	28 292 507	958 718
	1997.. 995	1 733	124 641	4 260 630	91 401	190 936	2 576 043	9 627 993	15 950 040	25 555 136	966 285

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
322211, Corrugated and solid fiber box manufacturing												
United States	—	1 719	1 201	117 079	4 631 854	85 893	180 546	2 770 299	10 957 221	18 505 428	29 514 919	'819 301
Arkansas	—	28	18	1 956	65 488	1 533	3 112	41 894	162 258	335 097	494 032	'27 350
California	—	172	120	12 182	535 957	9 051	19 522	338 878	1 236 257	2 421 220	3 736 388	'122 310
Colorado	—	13	8	951	40 312	724	1 414	25 825	82 472	140 600	224 303	'5 177
Connecticut	2	26	17	1 318	57 222	899	1 935	29 750	121 220	160 172	280 527	'4 867
Florida	—	46	23	2 549	101 098	1 914	4 155	62 616	219 982	492 423	713 980	'13 994
Georgia	1	58	38	4 147	169 560	3 050	6 469	100 288	389 839	768 959	1 156 668	'50 028
Illinois	1	116	85	7 812	319 251	5 740	12 291	190 930	795 848	1 253 588	2 048 219	'49 509
Indiana	—	62	45	4 807	185 628	3 522	7 018	113 251	452 122	666 493	1 113 667	'21 784
Kansas	—	9	7	1 324	49 528	870	1 934	29 921	90 601	153 725	243 784	'7 445
Kentucky	—	33	26	2 320	81 980	1 777	3 637	51 402	204 753	322 479	516 955	'16 185
Louisiana	—	12	8	1 051	41 286	847	1 869	27 279	107 658	161 781	272 184	'5 101
Massachusetts	1	46	32	2 671	109 089	1 905	3 964	62 730	250 136	374 863	625 496	'16 264
Michigan	1	80	54	4 927	175 507	3 600	7 100	101 188	404 938	610 762	1 015 855	'25 505
Minnesota	—	40	30	3 397	130 643	2 468	5 104	80 833	286 823	487 232	766 064	'13 693
Mississippi	1	22	16	1 557	59 247	1 195	2 572	36 677	141 289	248 220	388 096	'11 032
Missouri	1	48	34	3 233	123 432	2 374	5 145	74 057	293 484	540 440	841 112	'20 088
Nebraska	—	6	5	461	18 411	345	727	10 744	46 449	91 545	138 007	'7 229
New Jersey	1	64	35	3 682	169 374	2 530	5 360	86 442	380 272	521 996	903 241	'15 680
New York	1	80	52	4 386	167 678	3 179	6 757	95 774	398 255	571 229	967 871	'27 217
North Carolina	—	64	51	5 196	187 429	3 740	7 562	108 539	542 438	753 423	1 294 994	'36 773
Ohio	1	131	87	7 692	303 160	5 582	12 032	179 498	748 065	1 207 716	1 958 388	'43 566
Pennsylvania	—	99	76	7 329	302 911	5 289	11 108	170 774	724 423	1 036 453	1 759 196	'57 724
South Carolina	—	31	25	2 341	83 902	1 766	3 838	49 947	220 640	336 573	556 472	'29 571
Texas	1	112	74	7 234	268 070	5 310	10 771	156 988	629 819	1 159 386	1 788 087	'31 281
Utah	—	8	6	629	24 889	432	873	14 311	60 515	117 077	177 756	'7 989
Virginia	1	37	27	2 587	107 697	1 964	4 369	66 966	246 407	399 551	645 863	'14 812
Washington	—	23	21	2 214	83 952	1 629	3 254	56 410	162 427	420 525	583 569	'8 272
Wisconsin	—	53	37	4 380	182 223	3 099	6 369	108 161	458 126	657 375	1 113 828	'29 423

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
322211, Corrugated and solid fiber box manufacturing	
Companies ¹	number.. 955
All establishments ²	number.. 1 719
Establishments with 1 to 19 employees	number.. 518
Establishments with 20 to 99 employees	number.. 711
Establishments with 100 employees or more	number.. 490
All employees ³	number.. 117 079
Total compensation	\$1,000.. 5 786 549
Annual payroll	\$1,000.. 4 631 854
Total fringe benefits	\$1,000.. 1 154 695
Production workers, average for year	number.. 85 893
Production workers on March 12	number.. 86 119
Production workers on May 12	number.. 86 139
Production workers on August 12	number.. 85 842
Production workers on November 12	number.. 85 171
Production worker hours	\$1,000.. 180 546
Production worker wages	\$1,000.. 2 770 299
Total cost of materials	\$1,000.. 18 505 428
Materials, parts, containers, packaging, etc., used	\$1,000.. 17 092 335
Resales	\$1,000.. 849 860
Purchased fuels	\$1,000.. 174 234
Purchased electricity	\$1,000.. 254 680
Contract work	\$1,000.. 134 319
Quantity of electricity purchased for heat and power	1,000 kWh.. 3 900 843
Quantity of electricity generated less sold for heat and power	1,000 kWh.. D
Total value of shipments	\$1,000.. 29 514 919
Primary products value of shipments	\$1,000.. 27 654 978
Secondary products value of shipments	\$1,000.. 674 090
Total miscellaneous receipts	\$1,000.. 1 185 851
Value of resales	\$1,000.. 979 033
Contract receipts	\$1,000.. 28 250
Other miscellaneous receipts	\$1,000.. 178 568
Primary products specialization ratio	percent.. 98
Value of primary products shipments made in all industries	\$1,000.. 27 898 479
Value of primary products shipments made in this industry	\$1,000.. 27 654 978
Value of primary products shipments made in other industries	\$1,000.. 243 501
Coverage ratio	percent.. 99
Value added	\$1,000.. 10 957 221
Total inventories, beginning of year	\$1,000.. 2 679 398
Finished goods inventories	\$1,000.. 744 316
Work-in-process inventories	\$1,000.. 133 857
Materials and supplies inventories	\$1,000.. 1 801 225
Total inventories, end of year	\$1,000.. 2 429 192
Finished goods inventories	\$1,000.. 704 698
Work-in-process inventories	\$1,000.. 121 205
Materials and supplies inventories	\$1,000.. 1 603 289
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '12 997 867
Total capital expenditures (new and used)	\$1,000.. '819 301
Buildings and other structures (new and used)	\$1,000.. '113 314
Machinery and equipment (new and used)	\$1,000.. '705 987
Automobiles, trucks, etc., for highway use	\$1,000.. '25 366
Computers and peripheral data processing equipment	\$1,000.. '34 678
All other expenditures for machinery and equipment	\$1,000.. '645 943
Total retirements	\$1,000.. '458 789
Gross value of depreciable assets at end of year	\$1,000.. '13 358 379
Depreciation charges during year	\$1,000.. '850 911
Total rental payments	\$1,000.. 447 508
Buildings and other structures	\$1,000.. 281 971
Machinery and equipment	\$1,000.. 165 537
Total other expenses ⁴	\$1,000.. 1 555 213
Response coverage ratio ⁵	percent.. 90
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 303 119
Communications services ⁴	\$1,000.. 54 294
Legal services ⁴	\$1,000.. 16 559
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 17 472
Advertising and promotional services ⁴	\$1,000.. 66 007
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 27 755
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 22 227
Management consulting and administrative services ⁴	\$1,000.. 26 239
Taxes and license fees ⁴	\$1,000.. 142 188
All other expenses ⁴	\$1,000.. 879 352

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
322211, Corrugated and solid fiber box manufacturing											
All establishments	—	1 719	117 079	4 631 854	85 893	180 546	2 770 299	10 957 221	18 505 428	29 514 919	'819 301
Establishments with—											
1 to 4 employees	9	170	376	13 718	281	548	8 730	30 396	64 087	95 848	'2 401
5 to 9 employees	8	144	1 010	38 451	758	1 550	24 071	90 597	186 850	277 539	'8 828
10 to 19 employees	7	204	2 867	115 048	2 112	4 446	69 683	276 160	504 860	780 212	'25 672
20 to 49 employees	1	382	13 135	486 336	9 090	18 868	257 920	1 168 933	1 682 408	2 847 817	'106 804
50 to 99 employees	1	329	23 605	907 099	16 875	35 394	511 960	2 191 057	3 571 032	5 751 276	'190 751
100 to 249 employees	—	461	65 836	2 687 219	49 555	105 332	1 670 866	6 242 008	11 410 112	17 724 705	'425 199
250 to 499 employees	—	25	7 578	294 873	5 509	11 128	177 946	730 921	825 087	1 550 124	'39 367
500 to 999 employees	—	3	9	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	—	1	9	D	D	D	D	D	D	D	D
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	389	3 128	123 714	2 384	5 035	80 505	276 022	613 937	889 206	'19 035

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
322211	Corrugated and solid fiber box manufacturing	1 719	117 079	4 631 854	85 893	180 546	2 770 299	10 957 221	18 505 428	29 514 919	'819 301
3222110	Corrugated and solid fiber boxes, including pallets	1 719	117 079	4 631 854	85 893	180 546	2 770 299	10 957 221	18 505 428	29 514 919	'819 301

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
322211	Corrugated and solid fiber box manufacturing	2002.. N 1997.. N	X X	X X	27 898 479 24 075 306
3222110	Corrugated and solid fiber boxes, including pallets	2002.. N 1997.. N	X X	X X	27 898 479 24 075 306
32221101	Corrugated shipping containers for food and beverages and carryout boxes for retail food	2002.. N 1997.. N	X X	X X	6 391 827 5 503 790
3222110111	Corrugated shipping containers for food and beverages	2002.. 162 1997.. 207	X X	P118 157.0 P119 535.0	5 811 875 5 100 492
3222110114	Corrugated carryout boxes for retail food	2002.. 45 1997.. 63	X X	S 8 721.9	579 952 403 298
32221102	Corrugated shipping containers for paper and allied products	2002.. N 1997.. N	X X	X X	1 860 496 2 293 320
3222110221	Corrugated shipping containers for paper and allied products	2002.. 146 1997.. 209	X X	936 519.5 P51 061.8	1 860 496 2 293 320
32221103	Corrugated shipping containers for metal and electrical machinery, equipment, supplies, products, and appliances	2002.. N 1997.. N	X X	X X	2 276 371 2 261 142
3222110341	Corrugated shipping containers for metal products, machinery, equipment, and supplies, except electrical	2002.. 175 1997.. 242	X X	S 919 292.5	1 214 232 1 297 515
3222110345	Corrugated shipping containers for electrical machinery, equipment, supplies, and appliances	2002.. 146 1997.. 194	X X	S 914 190.0	1 062 139 963 627
32221104	Other corrugated shipping containers for all other end uses	2002.. N 1997.. N	X X	X X	5 436 401 6 655 483
3222110431	Corrugated shipping containers for glass, clay, and stone products	2002.. 77 1997.. 115	X X	96 168.0 12 196.2	319 737 565 839
3222110433	Corrugated shipping containers for chemicals and drugs, including paints, varnishes, cosmetics, and soaps	2002.. 109 1997.. 168	X X	S 917 705.3	771 152 923 363
3222110435	Corrugated shipping containers for lumber and wood products, including furniture	2002.. 105 1997.. 164	X X	S 911 913.9	537 012 679 856
3222110437	Corrugated shipping containers for all other end uses (leather, rubber, plastics, petroleum, etc.)	2002.. 168 1997.. 260	X X	X X	3 808 500 4 486 425
32221105	Corrugated paperboard in sheets and rolls, lined and unlined	2002.. N 1997.. N	X X	X X	3 007 927 2 281 883
3222110551	Corrugated paperboard in sheets and rolls, lined and unlined	2002.. 112 1997.. 97	X X	X X	3 007 927 2 281 883
32221106	Other corrugated and solid fiber products, including containers, pallets, pads, partitions, point-of-purchase displays, etc.	2002.. N 1997.. N	X X	X X	6 201 918 2 361 850
3222110661	Corrugated solid fiber containers	2002.. 55 1997.. 51	X X	X X	687 579 429 938
3222110665	Corrugated and solid fiber pallets, pads, and partitions	2002.. 114 1997.. 136	X X	X X	2 762 096 597 084
3222110691	Other corrugated and solid fiber products, including point-of-purchase displays, etc.	2002.. 176 1997.. 184	X X	X X	2 752 243 1 334 828
3222110Y	Corrugated and solid fiber boxes, including pallets, nsk, total	2002.. N 1997.. N	X X	X X	2 723 539 2 717 838
3222110YWW	Corrugated and solid fiber boxes, including pallets, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	1 852 140 2 194 725
3222110YWY	Corrugated and solid fiber boxes, including pallets, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	871 399 523 113

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
322211	Corrugated and solid fiber box manufacturing		
00900001	Total materials .....2002..	X	17 092 335
	.....1997..	X	14 787 277
32210005	Paper and paperboard (excluding boxes and containers) 1,000 s tons ..2002..	S	13 341 677
	.....1997..	32 394.3	11 407 691
32610021	Fabricated plastics products (including closures, ends, film, strapping, etc.) .....2002..	X	117 081
	.....1997..	X	125 333
33120016	Steel sheet and strip (including tinplate) .....2002..	X	D
	.....1997..	X	N
33131503	Aluminum sheet, plate, and foil .....2002..	X	D
	.....1997..	X	D
33211500	Metal closures and crowns for containers .....2002..	X	2 941
	.....1997..	X	1 438
32410009	Petroleum wax mil lb ..2002..	S	76 264
	.....1997..	346.2	120 360
32552002	Glues and adhesives.....2002..	X	277 000
	.....1997..	X	N
32591003	Printing inks mil lb ..2002..	S	140 625
	.....1997..	S	153 719
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	1 248 641
	.....1997..	X	D
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	1 869 912
	.....1997..	X	1 913 450

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.